

APR. 18. 2005 1:00PM +1-212-319-5101 customer 01933

NO. 3957 P. 3

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

|                                                                                       |   |                      |                       |          |
|---------------------------------------------------------------------------------------|---|----------------------|-----------------------|----------|
| Substitute for Form 1449A/PTO<br><br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT |   | Application Number   | 10/652,924            |          |
|                                                                                       |   | Filing Date          | August 28, 2003       |          |
|                                                                                       |   | First Named Inventor | Hiroyuki KOYAMA et al |          |
|                                                                                       |   | Group Art Unit       | 3724 2854             |          |
|                                                                                       |   | Examiner Name        | Dan Coliffa           |          |
| Sheet                                                                                 | 1 | of                   | 1                     |          |
| Attorney Docket Number                                                                |   |                      |                       | 03496/LH |

## U. S. PATENT DOCUMENTS

| Exam.<br>Initia <sup>s</sup> | Cite<br>No <sup>t</sup> | Document Number | Kind<br>Code <sup>s</sup> | Name of Patentee or<br>Applicant | Publication<br>Date MM-DD-YYYY | Relevant<br>Portion |
|------------------------------|-------------------------|-----------------|---------------------------|----------------------------------|--------------------------------|---------------------|
| Dan                          |                         | 6,361,231       | B1                        | SATO et al                       | 03-26-2002                     |                     |

## FOREIGN PATENT DOCUMENTS

| Exam.<br>Initia <sup>s</sup> | Cite<br>No <sup>t</sup> | Offc <sup>e</sup> | Document Number <sup>d</sup> | Kind<br>Code <sup>s</sup> | Name of Patentee or<br>Applicant | Publication<br>Date MM-DD-<br>YYYY | Relevant<br>Portion | T <sup>f</sup> |
|------------------------------|-------------------------|-------------------|------------------------------|---------------------------|----------------------------------|------------------------------------|---------------------|----------------|
|                              |                         |                   |                              |                           |                                  |                                    |                     |                |

Examiner Signature: Dan Coliffa Date Considered: 4/18/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>a</sup> Unique citation designation number. <sup>b</sup> See kinds of U.S. Patent Documents. <sup>c</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>d</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>e</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>f</sup> Place a check here if English translation is attached.

DATE MAILED: April 18, 2005



Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

|                                                                                               |   |    |   |                        |                       |
|-----------------------------------------------------------------------------------------------|---|----|---|------------------------|-----------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>Substitute for Form 1449A/PTO |   |    |   | Application Number     | 10/652,924            |
|                                                                                               |   |    |   | Filing Date            | August 28, 2003       |
|                                                                                               |   |    |   | First Named Inventor   | Hiroyuki KOYAMA et al |
|                                                                                               |   |    |   | Group Art Unit         | 2854                  |
|                                                                                               |   |    |   | Examiner Name          | COLILLA, DANIEL JAMES |
| Sheet                                                                                         | 1 | of | 1 | Attorney Docket Number | 03496/LH              |

### U.S. PATENT DOCUMENTS

| Exam.<br>Inits <sup>1</sup> | Cite<br>No <sup>1</sup> | Document Number | Kind<br>Code <sup>2</sup> | Name of Patentee or<br>Applicant | Publication Date<br>MM-DD-YYYY | Relevant<br>Portion |
|-----------------------------|-------------------------|-----------------|---------------------------|----------------------------------|--------------------------------|---------------------|
|                             |                         |                 |                           |                                  |                                |                     |

### FOREIGN PATENT DOCUMENTS

| Exam.<br>Inits <sup>1</sup> | Cite<br>No <sup>1</sup> | Offc <sup>3</sup> | Document Number <sup>4</sup> | Kind<br>Code <sup>5</sup> | Name of Patentee or<br>Applicant | Publication Date<br>MM-DD-YYYY | Relevant<br>Portion | T <sup>6</sup> |
|-----------------------------|-------------------------|-------------------|------------------------------|---------------------------|----------------------------------|--------------------------------|---------------------|----------------|
| X                           |                         | JP                | 11-208041                    | A                         | SEIKO EPSON CORP                 | 08-03-1999                     |                     | *              |
| DC                          |                         | JP                | 2001-341371                  | A                         | SEIKO EPSON CORP                 | 12-11-2001                     |                     | *              |

\*English Language  
Abstract Attached

|                       |                                                                                     |                    |         |
|-----------------------|-------------------------------------------------------------------------------------|--------------------|---------|
| Examiner<br>Signature |  | Date<br>Considered | 4/17/06 |
|-----------------------|-------------------------------------------------------------------------------------|--------------------|---------|

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Place a check here if English translation is attached.

DATE MAILED: February 1, 2006